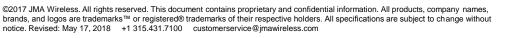
X7C-FRO-440-V Antenna Systems Group



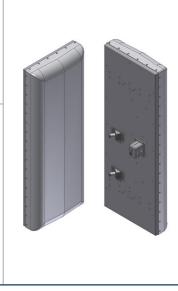
X-polarization, 698-896 MHz, 50.5", fast roll-off 40° Hbeam

Variable E-tilt, RET

- Macro cell antenna
- Fast roll-off (FRO)
- Suitable for LTE/CDMA/UMTS/GSM
- AISG 2.0 RET control

ELECTRICAL SPECIFICATIONS			
Frequency band, MHz	698-800 MHz	800-896 MHz	
Horizontal beamwidth, 3 dB points	47°	38°	
Gain, dBi	15.4	16.8	
Vertical beamwidth, 3 dB points	17.9°	15.7°	
Front-to-back at 180°, dB	> 28		
Upper sidelobe suppression, typical, dB	< -18		
Polarization	+/-45°		
Electrical downtilt	0-12° or 4-16°		
VSWR / return loss, dB, maximum	1.5:1/-14.0		
Isolation between ports, dB, minimum	28		
Intermodulation (2 x 20 w), IM3, dBc	-150		
Impedance, ohms	50		
Maximum power per connector, CW (w)	500		





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MECHANICAL SPECIFICATIONS		
Dimensions, length/width/depth	50.5/18.8/6.2 in. (1282/479/157 mm)	
Connector (quantity) type	(2) 7-16 DIN female	
Connector torque	220-265 lbf·in (23-30 N-m)	
Connector location	Back	
Antenna weight	29.2 lb (13.2 kg)	
Bracket weight	13.2 lb (6.0 kg)	
Standard bracket kit	P/N 919011 (included)	
Mechanical downtilt range	0-12°	
Radome material	High strength Luran [®] , UV stabilized, ASTM D1925	
Wind survival	150 mph (241 km/h)	
Front wind load @ 100mph	164 lbf (729.4 N)	
Equivalent flat plate @ 100mph	3.26 sq ft (c=2)	

RET INFORMATION	
Model	RET-200
Mounting location	Rear of antenna
Weight	1.2 lb (0.54 kg)
Communication standard	AISG 2.0
Control system	PCU-1000

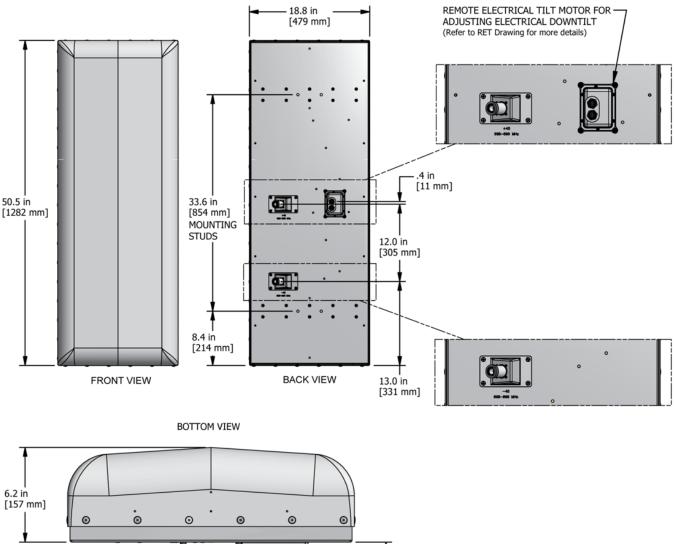


ORDER INFORMATION		
MODEL	DESCRIPTION	
X7C-FRO-440-VR0	Antenna with remote RET adjust electrical downtilt 0-12°	
X7C-FRO-440-VR4	Antenna with remote RET adjust electrical downtilt 4-16°	
919036	Optional bracket kit, 2-point, 12 deg D-tilt, for 4.5" OD pole	

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X7C-FRO-440-VR

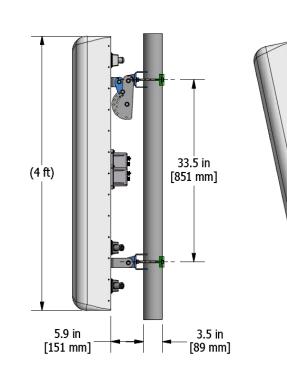


3.7 in [93 mm] [93 mm]

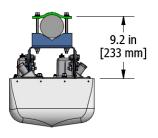
X7C-FRO-440-V Antenna Systems Group



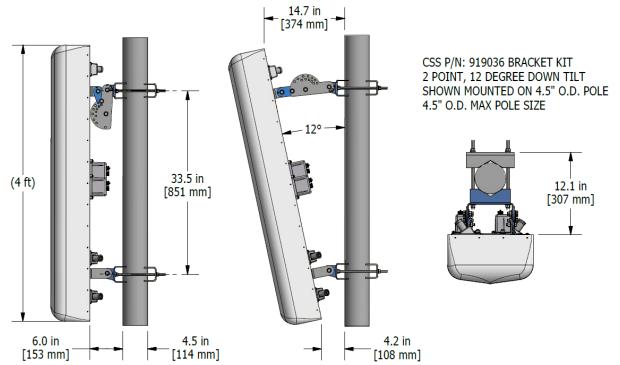
Standard bracket kit



CSS P/N: 919011 BRACKET KIT 2 POINT, 12 DEGREE DOWN TILT SHOWN MOUNTED ON 3.5" O.D. POLE 3.5" O.D. MAX POLE SIZE



Optional bracket kit



14.6 in [372 mm]⁻

0

12°

0.0

4.2 in

[107 mm]

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